



# Work Order (Bid Form)

## WORK ORDER INFORMATION

**Work Order Name:** WO/10010MC2368/1

**Work Order Type:** Weatherization

**Audit Name:** Audit 2368

## CLIENT INFORMATION

**Client Name:** N/A

**Address:** N/A

**Client ID:** 10010MC2368

LaVergne, TN 37086

**Alt. Client ID:** Rutherford

## CLIENT CONTACT INFORMATION

N/A

Applicant/Person of  
Record

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## AGENCY INFORMATION

**Agency:** Mid-Cumberland Community Action Agency

**Agency Phone:** (615) 742-1113

**Address:** (PO Box 310) 233 Legends Drive  
Lebanon, TN 37088

**Fax:** (615) 742-3911

**Email Address:**

**Agency Contact:** Batey, John

**Work Phone:** (615) 767-8667

**Cell Phone:**

**Email Address:** jmbatey@bellsouth.net

**Company Name & License Number:** \_\_\_\_\_

**Contractor's Signature:** \_\_\_\_\_

## COMMENT

This is a 1 story, site-built home with 1,429 sq feet. It has a brick and stone exterior. This home was constructed in 1972 and has not been tested for lead based paints. Certified RRP Provider required.

THIS HOME BRICK WORK WAS ORIGINALLY INSTALLED WITHOUT THE INSTALLATION OF WALL TIES. THE BRICK WORK HAS SOME CRACKS AND AREAS THAT ARE OF CONCERN. THE INTERNAL FRAME STRUCTURE SEEMS SOUND AND IN GOOD CONDITION. THERE IS ONE SECTION OF BRICK WORK ON THE REAR OF THE CLIENTS HOME THAT HAS COME LOOSE AND FALLEN YEARS AGO. FOR THIS REASON, WORK IS TO LIMITED THAT WILL NOT AGGREGATE ANY BRICKWORK PROBLEMS ON THE CLIENTS HOME.

All measures are to be done as per TWFG and all local codes.

Audit by John Batey

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**Report Run On:** 4/2/2012

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## Measures

### Measure 1 Infiltration Redctn

### Components

Inspected

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**Comment** Pre-audit testing 400 CFM @50pa. Target is 2800 CFM @50pa. Contractor must meet target to pass measure. During pre-audit testing, auditor found a large amount of leakage at window #10. Also a large amount of leakage was noted above the door at the bottom stairs going to the unfished basement area. This area above the basement door was never properly finished, approx 10 sq feet. The door at the bottom of the stairs was not weatherstripped or air-sealed, a large amount of air loss was not at this door. Other air seals may be needed to meet target CFM.

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
10	Miscellaneous Su	Infiltration Reduction	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

Field Notes:

Client Name: N/A

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**Measure 2 User-Spec Ceiling R****Components** Attic 1**Inspected**

**Comment** Home currently has approx 4.5" combination of blown fiberglass and cellulose. Measure is to add blown cellulose to a total R-value of R-38.

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To include correcting of bathroom exhaust fan to exterior through roof as per TWFG requirements. Auditor noted that there is 1 flue pipe for a wood stove (inactive) that needs to be addressed and no recess lighting with exception of the fan light combo in the bath ceiling.

Attic pull downstairway is to be weatherstriped and insulation tent added over this pull down unit as part of this measure.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Cellulose, Blown - R-25	SqFt	1429	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Cellulose, Blown - R-25	SqFt	1429	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Miscellaneous Su	Weatherize pull-down stairs	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	Labor	Weatherize pull-down stairs-Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	Miscellaneous Su	Correct improper venting bathfan	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	Labor	Correct improper venting bathfan-Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:**



**Measure 3 Lighting Retrofits****Components** Light 1,Light 2,Light 3,Light 4**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. - 13 Watt	Each Lamp	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Compact Fl. - 13 Watt	Each Lamp	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Lighting	Compact Fl. - 26 Watt	Each Lamp	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	Labor	Compact Fl. - 26 Watt	Each Lamp	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	Lighting	Compact Fl. - 13 Watt	Each Lamp	5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	Labor	Compact Fl. - 13 Watt	Each Lamp	5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	Lighting	Compact Fl. - 13 Watt	Each Lamp	5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	Labor	Compact Fl. - 13 Watt	Each Lamp	5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:**

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Measure 4 DWH Pipe Insulation				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation	Each	1					
2	Labor	DHW Pipe Insulation	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

Measure 5 DWH Tank Insulation				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equip	DHW Tank Insulation	Each	1					
2	Labor	DHW Tank Insulation	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									



**Measure 6 Floor Ins. R-19****Components** Found 1**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	1429	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	1429	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Miscellaneous Su	Air seal floor band	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	Labor	Air sela floor band-Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:**

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**Measure 7 Install/Replace Heatpump****Components** Heat 1,AC 1**Inspected**

**Comment** Replace/Install new package heat pump system. NEAT call for 2-ton system but contractor to preform a manual J before system install to insure proper sizing. System size changes must be approved by MCAA before system install. Manual J to be turned in invoice along with copy of electrical permit application and start-up report.

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Client has a 29 year old package heat pump that functions poorly. Duct work appears in good to fair condition with only some small areas that need to be rewaped with duct insulation as per TWFG system replacement guidelines. Auditor noted pressure pan readings were consistently between 5 and 6 pa throughout all home supply registers and suspects existing duct connection at unit behing cowlng to be poor.

Contractor to correct high duct leakage rate as part of system replacement. At post audit, pressure pan readings are to be as follows or better; All duct registers are to be below 1 pa with an allowable exception of 3 duct boots that may be over 1 pa but no duct boots may be over 3 pa. All and any duct or electrical corrections are to be included as part of this measure.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Heating Equipme	Heatpump - 30 kBtu/h Existing, Consult Manual J Data	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Heatpump - 30 kBtu/h Existing, Consult Manual J Data	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:** **Sub Total:** **Field Notes:**



**Measure 8** Certified RRP provider required**Components**

Inspected

**Comment** Pre 1978 const☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
10	Unspecified	Misc Material	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measure Sub Total:						<input type="text"/>	Sub Total:		<input type="text"/>

**Field Notes:****Measure 9** Fix Improper Venting (Clothes Dryer)**Components**

Inspected

**Comment** Clothes dryer is currently poorly vented into the crawl space area. This measure is to replace the vent pipe behind the dryer, and to install new vent hard pipe in the crawl space area to properly vent the dryer. The venting for this dryer is to be taken to the outside in the section of the exterior wall where the brickwork is currently missing (approx 20 lf). A new dryer vent hood will also be needed to complete this measure. Auditor suggests boring of the rim joist next to the Heat pump and not trying to chisel through the block work. Any questions concerning this measure, please contact auditor before proceeding.

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#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
10	Unspecified	Misc Material	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Other Detail</b>									
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measure Sub Total:						<input type="text"/>	Sub Total:		<input type="text"/>

**Field Notes:**

Client Name: N/A

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**Measure 10** Fix Not Operational Bathroom Exhaust Fan**Components****Inspected**

**Comment** Client,s home has a bathroom exhaust fan/ light combo but the fan part of this unit is not functional. This measure is to either replace this unit with a similar unit or repair existing unit. The unit is currently vented into the attic area and the venting correction for this unit is addressed as an added cost of the attic insulation measure of this work order.

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#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
10	Unspecified	Misc Material	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Other Detail</b>									
					<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
					<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Measure Sub Total:</b>						<input type="text"/>	<b>Sub Total:</b>		<input type="text"/>

**Field Notes:****Measure 11** Smoke Detector is Needed**Components****Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Smoke detector	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
					<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
					<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measure Sub Total:						<input type="text"/>	Sub Total:		<input type="text"/>

**Field Notes:****Work Order Grand Total:****Grand Total:**

Client Name: N/A

Client ID: 10010MC2368

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